Index of Claims

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09/884,986 Examiner

Mishawn N. Dunn

Applicant(s)/Patent under Reexamination

**FUJIE ET AL.** 

Art Unit

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| The color of the | Claim    |     | Date   |  |          |  |  |  |  | Cla      | Claim Date |          |     |  |  | ate      | _        |          |          | $\neg$   | CI       | aim      | Date       |     |                 |          |             |          |            |                 |               |   |
|--|----------|-----|--|--|----------|--|--|--|--|----------|------------|----------|-----|--|--|----------|----------|----------|----------|----------|----------|----------|------------|-----|-----------------|----------|-------------|----------|------------|-----------------|---------------|---|
| 1         1         √         =         101         102         2         2         √         =         102         3         3         √         =         53         103         104         4         √         4         √         1         103         104         √         5         √         6         √         9         104         √         5         √         6         √         7         √         1         105         √         6         √         7         √         √         8         √         √         7         √         √         6         √         106         √         √         7         √         √         7         √         √         7         √         √         7         √         √         6         0         100         √         √         9         √         √         9         √         √         9         √         √         109         √         √         109         √         √         109         √         √         109         √         √         109         √         √         √         √         √         √         √         √   |          |     |  |  |          |  |  |  | $\neg$   |          |            |          |     |  |  |          |          |          |          |          |          | $\Box$   | Τ          | Г   |                 |          |             | T        |            |                 |               |   |
| 1         1         √         =         101         102         2         2         √         =         102         3         3         √         =         53         103         104         4         √         4         √         1         103         104         √         5         √         6         √         9         104         √         5         √         6         √         7         √         1         105         √         6         √         7         √         √         8         √         √         7         √         √         6         √         106         √         √         7         √         √         7         √         √         7         √         √         7         √         √         6         0         100         √         √         9         √         √         9         √         √         9         √         √         109         √         √         109         √         √         109         √         √         109         √         √         109         √         √         √         √         √         √         √         √   | <u>a</u> | ina | 9  | 90/  |          |  |  |  |  |          |            | <u> </u> | ig. |  |  |          |          |          |          | ł        |          |          | ā          | ij  | ı               |          |             | l        |            |                 |               |   |
| 1         1         √         =         101         102         2         2         √         =         102         3         3         √         =         53         103         104         4         √         4         √         1         103         104         √         5         √         6         √         9         104         √         5         √         6         √         7         √         1         105         √         6         √         7         √         √         8         √         √         7         √         √         6         √         106         √         √         7         √         √         7         √         √         7         √         √         7         √         √         6         0         100         √         √         9         √         √         9         √         √         9         √         √         109         √         √         109         √         √         109         √         √         109         √         √         109         √         √         √         √         √         √         √         √   | i.       | ij  | 121  | 725  |          |  |  |  |  |          |            | 1        | Ē   |  |  |          |          |          |          |          |          | 1        | i <u>E</u> | rig | ı               |          | 1           |          |            |                 |               | 1 |
| 3   3   4   4   4   5   5   5   5   5   5   5  |          | 0   | _  | c)   |          |  |  |  |  |          |            |          | 0   |  |  |          |          |          | - 1      |          | İ        |          |            | 0   | -               | 1_       |             |          |            |                 |               |   |
| 3         3         N         =         53         103         103         104         3         5         5         V         =         54         104         55         106         105         106         106         107         7         N         =         56         106         107         108         109  | 1        | 1   | V  | =  |          |  |  |  |  |          | $\neg$     |          | 51  |  |  |          |          |          |          | $\neg$   |          | -        |            | 101 |                 |          | Γ           |          |            |                 |               |   |
| 4. 4   | 9        | 2   | 1  | =  |          |  |  |  |  |          | $\neg$     |          | 52  |  |  |          |          |          |          |          |          |          |            |     |                 |          |             |          |            |                 |               |   |
| 4. 4   | 3        | 3   | V  | =  |          |  |  |  |  |          | $\Box$     |          |     |  |  |          |          |          |          |          |          |          |            |     |                 |          |             |          |            |                 |               |   |
| C   6   N   2  | 4        | 4   | 1  | =  |          |  |  |  |  |          |            |          |     |  |  |          |          |          |          |          |          |          |            |     |                 |          |             |          | Ш          | $\Box$          | _             |   |
| Form    | 5        | 5   | 1  | п  |          |  |  |  |  |          |            |          |     |  |  |          |          |          |          |          |          |          |            |     |                 | $\perp$  |             | <u> </u> | Ш          | $\Box$          |               |   |
| 11   | 6        | 6   | 1  | =  |          |  |  |  |  |          |            |          |     |  |  |          |          |          |          |          |          |          |            |     |                 |          | _           | <u> </u> | Ш          | $\Box$          | _             |   |
| 11   | 7        | 7   | 1  | =  |          |  |  |  |  |          |            |          |     |  |  |          |          |          |          |          | $\perp$  | _        |            |     |                 | Ш_       |             |          | Ш          | Ш               | _             |   |
| 11   | 8        |     |  | =  |          |  |  |  |  |          |            |          |     |  |  |          | _        |          | _        | $\perp$  |          |          |            |     |                 |          | <u> </u>    | _        | Ш          | $\sqcup$        | _             | _ |
| 11   | 9        |     | 1  | =  |          |  |  |  |  |          |            | L        |     |  |  |          | _        | $\Box$   |          |          | ]        |          |            |     |                 |          | $\bot$      |          | Ш          | $\sqcup$        | _             | _ |
| 12   | 10       |     | -  | =  |          |  |  |  | Ш  |          | _          | L        |     | Ш  |  |          | _        | _        | _        |          | _        | _        |            |     |                 | _        | <u> </u>    | <u> </u> | Ш          | $\sqcup$        | $\dashv$      | _ |
| 13   |          |     | 1  | =  | Ш        |  |  |  |  |          |            |          |     |  |  |          | _        | _        | _        |          | _        |          |            |     |                 | _        |             | ╙        |            | $\square$       | $\dashv$      | _ |
| A  | 12       |     | -  | _  | Ш        |  | Ш  | Ш  | Ш  |          | $\Box$     | L        |     | Ш  |  | Ш        |          |          |          |          | _        | _        | <u> </u>   |     | $\perp$         | _        | $\perp$     | 1_       | $\sqcup$   | ⊢⊢              | $\dashv$      | 4 |
| 15   | 13       |     | -  |  | $\sqcup$ |  |  | Ш  | Ш  |          | $\Box$     | ļ        |     | Ш  |  | Ш        | _        | _        |          | _        | _        | _        | <u> </u>   |     | $\perp$         | $\bot$   | $\perp$     | ↓_       | $\Box$     | Ш               | _             | 긕 |
| 16   | 14       |     | _  | _  | Ш        |  | Ш  |  | Ш  |          | _          | ļ        |     |  |  | Ш        | _        |          | _        | _        | _        |          | <u> </u>   |     |                 | $\perp$  | $\perp$     | ↓_       | -          | ⊢⊢              | _             | _ |
| Total   Tota |          |     | -  |  | Ш        |  | Ш  | <u> </u>   | Щ  |          | _          |          |     | Ш  |  | Ш        |          |          | _        | _        | _        | _        | ļ          |     | -               | +        | $\perp$     | <b>├</b> | $\vdash$   | ⊢⊢              | $\dashv$      | _ |
| 18   | 16       |     | _  | _  | Ш        |  |  | L  | Ш  |          | _          | ļ        | 66  |  |  |          | _        | _        | _        | _        |          | 4        |            |     | $\dashv$        |          | ┼           | ├        |            | $\vdash \vdash$ | $\dashv$      | _ |
| 19    v  |          |     | _  | _  | Ш        |  |  |  | Ш  |          |            |          |     |  |  |          | _        | _        | _        | _        |          | 4        | <u> </u>   |     | -               |          | ╄           | ┼        |            | $\dashv$        | -             |   |
| 26         20         √ =         70         71         120         121         121         121         122         122         122         122         122         122         122         122         122         122         122         122         122         122         122         122         122         122         123         124         124         124         124         125         126         126         126         126         126         126         126         127         127         127         127         127         127         128         129         129         129         129         130         130         130         130         131         131         131         131         131         131         131         132         132         132         133  | 18       |     | -  |  | Ш        |  |  |  | Ш  |          |            |          |     |  |  | Ш        | 4        | $\dashv$ | _        | _        |          | _        | <u> </u>   |     |                 |          | ╄           | ├        |            | $\vdash \vdash$ | $\dashv$      |   |
| 21     =   | 19       |     |  |  |          |  |  | _  | Ш  |          |            |          |     |  |  |          | _        | _        |          | _        | _        | _        | -          | 119 | -               | _        | ╄           | ├        |            | $\vdash\vdash$  | $\dashv$      | _ |
| 72   | 20       |     | _  | _  | Ш        |  |  | _  |  |          |            |          |     |  |  |          | _        | _        | _        | _        | _        | _        | <u> </u>   |     |                 |          | ╁           | -        | -          | ⊢⊢              | $\dashv$      | _ |
| 23       73       123       124       124       124       125       126       126       126       126       127       127       128       127       127       127       128       129       129       129       129       129       130       130       131       131       131       131       131       131       131       132       132       132       132       132       133       133       133       134       134       134       134       134       134       134       134       135       135       136       136       136       136       136       137       138       138       138       138       138       138       138       138       138       138       138       139       140       140       141       141       141       141       142       142       142       142       142       143       144       144       144       144       145       145       146       146       146       147       148       148       149       149       149       149       149       149       149       149       149       149       149       149       149       149       149  | 21       |     | 1  | =  |          |  | _  |  |  |          |            | ļ        |     |  |  |          |          | _        | _        | _        | $\dashv$ | _        | <u> </u>   | 121 |                 | -        | ╄           | -        | _          | $\vdash \vdash$ | $\dashv$      | _ |
| 24         124         125         125         125         125         126         125         126         126         126         126         126         127         127         127         127         128         128         129         129         129         130         130         130         130         130         130         130         130         130         131         131         131         131         132         133         133         133         133         133         133         133         133         133         134         134         134         134         134         134         134         134         134         134         134         134         135         136         136         137         137         137         138         138         138         138         138         139   | *        |     |  |  |          |  | Ш  | L  |  | _        | _          | <u> </u> |     | _  |  | Ш        | _        |          |          |          | -        | 4        |            |     | _               |          | +-          | ╁        |            | $\vdash$        | $\dashv$      |   |
| 25         26         75         125         126         126         127         126         127         127         128         127         128         127         128         129         129         129         129         130         130         130         131         131         131         132         132         132         132         133         132         132         133         132         133         134         134         134         134         134         134         134         135         137         135         136         137         137         138         138         138         138         138         138         139         139         140   |          |     | _  |  |          |  |  | <u> </u>   |  | _        | _          | <u> </u> |     | _  |  | Ш        | -        | 1        | -        | _        | -        | _        |            |     | $\perp$         |          | ╁           | -        | -          | $\vdash$        | $\dashv$      |   |
| 26         76         126         127         127         127         127         128         127         128         128         129         129         129         129         129         129         130         130         130         130         130         131         131         131         131         132         133         132         133         133         133         133         133         133         133         133         134         134         134         134         134         134         134         135         135         136         136         136         137         138         138         138         138         138         138         138         139         140         140         140         140         141         141         142         142         142         142         142         142         142         142         142         143         144         144         144         145         145         146         146         147         148         148         148         148         149         149         149         149         149         149         149         149         149         149         149  | ļ        |     | <u> </u>   |  |          |  | _  | <u> </u>   |  |          | _{         | <u> </u> |     | _  | _  | Н        | -        |          | -        |          | -        | _        | -          |     | -               |          | ┼           | ┼        | $\vdash$   | $\vdash$        | $\dashv$      |   |
| 27         28         77         128         128         128         128         128         128         129         129         129         130         130         130         130         130         131         131         131         131         131         132         132         132         133         133         133         133         133         133         133         133         133         134         134         134         134         134         135         135         135         135         135         136         137         136         137         136         137         138         138         138         138         139         140         141         141         141         141         141         141         142         143         144         144         144         144         144         144         144         144         144         145         145         145         145         146         147         147         148         149         149         149         149         149         149         149         149         149         149         149         149         149         149         149         149   |          |     |  |  | $\vdash$ |  |  | <u> </u>   | _  |          |            |          |     | <u> </u>   | <u> </u>   | Н        | -        |          | -        | -        | -        |          | $\vdash$   |     |                 | -        | +           | +-       | ├          | $\vdash$        | $\dashv$      |   |
| 28       78       128         29       80       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       136         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       96       144         47       97       148         48       98       148         49       99       148  |          |     |  |  |          |  | <u> </u>   | <u> </u>   | $\vdash$   | =        | _          | <b> </b> |     | _  | _  |          |          | $\dashv$ | -        | -        |          | _        | -          |     | $\vdash$        | -        | ╀           | ╁╌       |            | $\vdash$        | $\dashv$      |   |
| 29       79       129         30       130       130         31       81       131         32       83       132         33       133       133         34       84       134         35       85       135         36       86       136         37       88       138         39       88       138         40       90       140         41       91       141         42       92       142         43       93       143         44       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |          |     | _  | _  | Н        |  |  | _  | _  | $\vdash$ | _          |          |     |  | _  |          |          | $\dashv$ | -        | $\dashv$ | -        |          | -          |     | $\vdash$        |          | ╀           | ╀        | ╀╌         | $\vdash$        | $\dashv$      | _ |
| 30     80       31     81       32     82       33     83       34     84       35     85       36     86       37     87       38     88       39     89       40     90       41     91       42     92       43     94       44     94       45     96       47     97       48     98       49     99  |          |     | _  | _  | $\vdash$ |  |  | _  |  |          |            | -        |     | -  | _  | Н        | $\dashv$ | $\dashv$ | -        | -        | -        |          | -          |     | $\vdash$        | +-       | +-          | ╁        | $\vdash$   | $\vdash$        | $\dashv$      |   |
| 31     81       32     131       33     83       34     84       35     85       36     86       37     87       38     88       39     89       40     90       41     91       42     92       43     94       44     94       45     96       46     96       48     98       49     99   |          |     | -  | _  | Н        |  |  |  | _  | _        |            | -        |     | -  |  |          | $\dashv$ | -        | $\dashv$ | -+       |          |          | -          |     | -+              | +        | +           | ╁╌       | -          | $\vdash$        | -             |   |
| 32       82       132       133         33       84       133       133       134         35       85       135       136       136       137       137       137       137       137       138       138       138       138       138       139       139       139       139       139       139       140       140       141       140       141       141       141       141       141       141       142       142       143       143       143       144       144       144       144       144       144       145       146       147       147       148       148       149 <td>-</td> <td></td> <td></td> <td>_</td> <td><math>\vdash</math></td> <td><math>\vdash</math></td> <td>⊢</td> <td><u> </u></td> <td>_</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td>_</td> <td>H</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td><math>\dashv</math></td> <td></td> <td>-</td> <td></td> <td>⊢⊹</td> <td></td> <td>+</td> <td>┼</td> <td>-</td> <td><math>\vdash</math></td> <td><math>\dashv</math></td> <td>_</td>  | -        |     |  | _  | $\vdash$ | $\vdash$   | ⊢  | <u> </u>   | _  | -        |            | -        |     | -  | _  | H        | -        |          | -        | -        | $\dashv$ |          | -          |     | ⊢⊹              |          | +           | ┼        | -          | $\vdash$        | $\dashv$      | _ |
| 33       83       133       134         34       84       134       134         35       85       135       136         36       86       136       137         38       87       137       137         38       89       139       138         39       90       140       141         41       91       141       141         42       92       142       142         43       93       143       143         44       94       144       144         45       95       145       146         46       96       146       147         48       98       148       148         49       99       149       149  |          |     | -  | _  | Н        |  | -  | -  |  |          | $\dashv$   | <u> </u> |     | ⊢  |  | H        |          |          | $\dashv$ | $\dashv$ | $\dashv$ |          | -          |     | -               | +-       | ╁           | ╁        | $\vdash$   | $\vdash$        | $\dashv$      |   |
| 34       84       134       135         35       85       135       136         37       86       136       137         38       88       137       137         39       89       139       139         40       90       140       141         42       91       141       142         43       93       142       142         43       93       144       144         44       94       144       144         45       95       145       146         46       96       146       147         48       98       148       148         49       99       149       149  | <u> </u> |     |  | _  | Н        | _  | -  | -  | -  |          | -          |          |     | ⊢  | ├  | $\vdash$ | $\dashv$ |          | -        | $\dashv$ | -        | $\dashv$ | -          |     | $\vdash$        | +        | +           | ╁╌       | ╁╌         | $\vdash$        | -             |   |
| 35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  | <u> </u> |     | H  | $\vdash$   | H        | <del>-</del>                                     | $\vdash$   | -  | $\vdash$   | Н        | $\dashv$   |          |     | $\vdash$   | <del> </del>                                     | $\vdash$ |          |          |          | $\dashv$ |          |          | -          |     | $\vdash \vdash$ | +        | +           | +        | $\vdash$   | $\vdash$        | $\dashv$      |   |
| 36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |          |     | -  | -  | $\vdash$ | $\vdash$   | $\vdash$   | ╁─   | $\vdash$   | Н        | $\dashv$   | -        |     | $\vdash$   | $\vdash$   |          | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -          | 135 | $\vdash$        | +        | +           | +        | +          | $\vdash$        | $\dashv$      | _ |
| 37       88       137         38       88       138         39       90       140         41       91       140         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       148         49       99       149  |          |     | $\vdash$   | $\vdash$   | $\vdash$ |  |  | $\vdash$   | $\vdash$   | $\vdash$ |            |          |     | $\vdash$   | -  | $\vdash$ |          | $\dashv$ | +        |          | $\dashv$ | $\dashv$ |            |     | $\vdash$        | +        | +           | +-       | 1          | $\vdash$        | $\dashv$      |   |
| 38       88       138         39       90       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  | -        |     | -  | -  | $\vdash$ | <del>                                     </del> | $\vdash$   | -  |  | $\vdash$ | -          |          |     | <del>                                     </del> | 1  | H        |          | -        | $\dashv$ |          | $\dashv$ | $\dashv$ |            |     |                 |          | +-          | T        | T          | $\Box$          | $\neg$        | _ |
| 39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |          |     | Н  | $\vdash$   | $\vdash$ | -  |  | $\vdash$   | Н  |          | $\dashv$   |          |     | $\vdash$   | -  | $\vdash$ | $\dashv$ |          | $\dashv$ | -        | -        | $\dashv$ |            |     | $\vdash$        | $\top$   | T           | T        | t          | $\Box$          | $\neg$        | _ |
| 40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  | -        |     | 1  | <del> </del>                                     | $\vdash$ | <u> </u>   |  | ┢  | <del>                                     </del> | $\vdash$ | $\dashv$   |          |     | t  |  | П        | $\vdash$ |          | $\dashv$ |          | $\dashv$ | $\dashv$ |            |     | $\vdash$        | _ _      | 1           | T        | 1          | М               |               | _ |
| 41       91       141       142       142       142       143       143       143       143       144       144       144       144       144       144       144       144       145       145       145       146       147       147       147       147       148       148       148       149  | -        |     | <del>                                     </del> | $\vdash$   |          | $\vdash$   | Н  | <del>                                     </del> | $\vdash$   | _        | $\dashv$   |          |     | †  | <u> </u>   | П        | $\vdash$ | $\neg$   | 一        | $\dashv$ | $\neg$   |          |            |     |                 | _        | 1           | 1        | † <u> </u> | П               | $\neg$        | _ |
| 42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  | -        |     | $\vdash$   | $\vdash$   | $\vdash$ | -  | $\vdash$   | <del>                                     </del> | ┪  |          | $\dashv$   |          |     | t  | $\vdash$   | T        |          | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$ |          |            |     | $\Box$          | $\dashv$ | 1           | 1        | 1          | П               | $\neg$        | _ |
| 43     93       44     94       45     95       46     96       47     97       48     98       49     99  |          |     | $\vdash$   | $\vdash$   | $\vdash$ | _  | <del>                                     </del> | <del>                                     </del> | $\vdash$   | <u> </u> | H          |          |     | T  | $\vdash$   |          | _        | $\dashv$ | $\dashv$ | $\neg$   | _        |          |            | 142 |                 | $\top$   | $\top$      | 1        | T          | П               | $\neg$        |   |
| 44     94       45     95       46     96       47     97       48     98       49     99  |          |     | $\vdash$   | <del>                                     </del> | М        | T  | Т  | $\vdash$   | $\vdash$   |          | $\dashv$   |          |     | T  | Г  |          |          |          | $\dashv$ | $\dashv$ | $\dashv$ |          |            |     |                 | 1        | T           | Τ        | T          | П               | $\Box$        |   |
| 45     95       46     96       47     97       48     98       49     99  |          |     | 一  | $\vdash$   | т        | $\vdash$   | т  | 1  | <u> </u>   | $\vdash$ | $\dashv$   |          |     | T  |  |          |          | $\neg$   | 一        | $\neg$   | _        | _        |            |     | $\Box$          | 1"       | 1           | T        | Τ          | П               | $\neg \vdash$ | _ |
| 46     96       47     97       48     98       49     99  |          |     | <del>                                     </del> | $\vdash$   | Н        | <del>                                     </del> | $\vdash$   | ┪  |  | H        | $\dashv$   | -        |     | Т  | <del>                                     </del> | М        |          | $\dashv$ | _        | 一        |          |          |            |     | $\Box$          | $\top$   | $\top$      | T        |            | П               | $\sqcap$      |   |
| 47     97       48     98       49     99  |          |     | ✝  |  | t        |  |  | Ι-   | T  | _        | $\dashv$   |          |     |  |  | Г        |          |          | $\neg$   | T        |          |          |            |     | $\Box$          |          | $\top$      |          |            |                 | $\Box$        |   |
| 48     98       49     99  |          |     | T  | T  | T        | $\vdash$   | $\vdash$   | $\vdash$   | Г  |          | $\dashv$   |          | 97  |  |  | Г        |          |          | $\neg$   | $\neg$   |          | $\neg$   |            | 147 |                 |          | $\top$      | T        |            |                 |               |   |
| 49 99 149 149  |          |     | T  | Ι_   |          |  | Т  | ऻ  | T .  |          |            |          | 98  | 1  |  | 1        |          | $\Box$   | $\neg$   | $\neg$   |          | $\neg$   |            | 148 |                 |          | $\prod_{-}$ | Ι        |            |                 |               |   |
|  |          |     | İΤ   |  | T        |  | T  | İΤ   | Τ  | Γ        | $\Box$     |          | 99  | Γ  |  | 1        |          |          |          |          |          |          |            | 149 |                 |          | Ι           |          |            |                 |               |   |
|  | -        | 50  | $T^-$  | <u> </u>   |          |  | T  | Π  | 1  |          | П          |          | 100 |  |  |          |          |          |          |          |          |          |            | 150 |                 |          | Ι           |          |            |                 |               |   |